



Natural Resources Conservation Service
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September 7, 2004

FIELD OFFICE TECHNICAL GUIDE NOTICE OK450-186

SUBJECT: Revised Section I Oklahoma Reference List, changes to the Erosion Prediction Section, changes in estimating Soil Loss from Gully Erosion, and revised OK-CPA-16 Integrated Pest/Brush Management Plan. Changes to Section II, Cropland Interpretations are also included.

Effective Date: All releases with this notice will become effective October 1, 2004.

Explanation of Changes: Oklahoma will calculate soil loss following the guidance provided in Estimating Soil Loss from Gully Erosion – Ephemeral and Classic. The ephemeral charts can no longer be maintained. The Ephemeral and Classic Gully Worksheet dated 09/04 (an excel computer program) is available for use to calculate soil erosion. The worksheet will be located on eFOTG in Section I under the Oklahoma Reference List, and Section IV under ECS Forms and Computer Tools.

Oklahoma will use the RUSLE2 computer program to estimate sheet and rill erosion. Erosion calculations will have to be done using the RUSLE2 computer program. Long hand calculations are no longer possible. The RUSLE2 program and databases have been loaded on computers. Training on the RUSLE2 program by the Resource Specialists began August 15, 2004 and should be completed in early October. Training sessions include setting up the databases in RUSLE2, as well as hands-on training with the program.

The stand alone spreadsheet of the Soil Condition Index (SCI) – Version 23 (10/2/02) is outdated and will no longer be used by offices. The SCI is now contained in the RUSLE2 program.

A new OK-CPA-16 Integrated Pest/Brush Management Excel worksheet has been developed. The new worksheet includes a Producer Summary sheet. The summary sheet is a short version of the OK-CPA-16 that can be printed and given to producers. The summary sheet automatically fills as users populate the OK-CPA-16 worksheet so there is no duplication of entries.

The Footnotes and Modified I Factor Report from Section II were used for the Wind Erosion Equation – Critical Period Method. Oklahoma now uses the Wind Erosion Equation – Management Period Method. This table is no longer needed with this method of calculating wind erosion.

Filing Instructions: Filing instructions below. The Revised Universal Soil Loss Equation 2 (RUSLE2) computer program will be installed on office computers. Remove OK-CPA-16 Integrated Pest/Brush Mgt. Plan worksheet dated 7/03 from computers. Replace with OK-CPA-16 Integrated Pest/Brush Mgt. Plan worksheet dated 9/04.

(MORE)

DIST: AO

Remove

Insert

Section I, Reference List

Oklahoma Reference List dated 7/04

Oklahoma Reference List dated 9/04

Section I, Erosion Prediction

Index – Erosion Prediction dated 8/03

Index – Erosion Prediction dated 9/04

Revised Universal Soil Loss Equation (RUSLE)
(Oklahoma Handbook pages 1 through 88)
dated 9/98

Oklahoma Ephemeral Gully Erosion Prediction
Tables dated 4/97

Estimating Loss from Gully Erosion –
Ephemeral and Classic dated 9/04

National Bulletin No. 450-2-6 – Estimating
Gross Erosion dated 5/82

Oklahoma Wind Erosion Climatic Factors Map
dated 6/87

*Irrigation Adjustment Factors for Lands that
are Highly Erodible by Wind (includes tables)
dated 1/89

Relationship of Residue Weight to Percent
Residue Cover for Various Crops dated 7/93

*County “E” Tables – Soil Loss from Wind
Erosion in Tons per Acre per Year dates vary

Exhibit 502-4, Ridge Roughness Factor, Krd
graph dated 10/02

Section II, Cropland Interpretation

Index Cropland Interpretations dated 11/02

Index Cropland Interpretations dated 09/04

Footnotes for Modified ‘I’ Tables

*Modified I Factor Report (applicable to
county), if present

*Note: Due to the possibility of needing some materials for future Food Security Act Status
Reviews or appeals, the items marked above with an asterisk (*) need to be archived at the field
office.

/s/

M. DARREL DOMINICK
State Conservationist

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